

Message

---

**From:** MacNicholl, Peter@DTSC [Peter.MacNicholl@dtsc.ca.gov]  
**Sent:** 5/12/2020 6:29:29 PM  
**To:** Fennessy, Christopher [christopher.fennessy@Rocket.com]; MacDonald, Alex@Waterboards [Alex.MacDonald@waterboards.ca.gov]; Swanson, Charles [Swanson.Charles@epa.gov]; Lae, Tom/SAC [Tom.Lae@jacobs.com]  
**CC:** Rob Wilhelm (RWilhelm@Hargis.com) [RWilhelm@Hargis.com]  
**Subject:** Re: [EXTERNAL] RE: Area 40 update - Activities to begin next week  
**Attachments:** ATT00001.txt

Thank you for the clarification and additional rationale!:)

---

**From:** Fennessy, Christopher <christopher.fennessy@Rocket.com>  
**Sent:** Tuesday, May 12, 2020 9:57 AM  
**To:** MacNicholl, Peter@DTSC <Peter.MacNicholl@dtsc.ca.gov>; MacDonald, Alex@Waterboards <Alex.MacDonald@waterboards.ca.gov>; swanson.charles@epa.gov <swanson.charles@epa.gov>; Tom.Lae@jacobs.com <Tom.Lae@jacobs.com>  
**Cc:** Rob Wilhelm (RWilhelm@Hargis.com) <RWilhelm@Hargis.com>  
**Subject:** RE: [EXTERNAL] RE: Area 40 update - Activities to begin next week

Thanks Pete! So, to confirm:

We will establish an 8,000sqft grid that has a 3x3 square sub-grid (or 889sqft sub-grid).  
One sample will be collected from the center sub-grid square.  
If any of the samples contain dioxin above the cleanup goal, we will sample each sub-grid square within the 8,000sqft grid where the exceedance was observed.  
Over-excavation will occur within any sub-grid square that contains dioxin above the screening level.

**Christopher M. Fennessy, P.E.**  
**Aerojet Rocketdyne, Inc.**  
Senior Manager, Environmental Remediation  
PO Box 13222  
Sacramento, California 95813-6000  
Cell: 916-798-6103  
Ph: 916-355-3341  
Fax: 916-355-6145  
Email: [Christopher.Fennessy@Rocket.com](mailto:Christopher.Fennessy@Rocket.com)

---

**From:** MacNicholl, Peter@DTSC <Peter.MacNicholl@dtsc.ca.gov>  
**Sent:** Tuesday, May 12, 2020 9:29 AM  
**To:** Fennessy, Christopher <christopher.fennessy@Rocket.com>; MacDonald, Alex@Waterboards <Alex.MacDonald@waterboards.ca.gov>; swanson.charles@epa.gov; Tom.Lae@jacobs.com  
**Subject:** Re: [EXTERNAL] RE: Area 40 update - Activities to begin next week

Hi Chris,

Sorry for the late response. When i originally opened the message i thought i responded but it apparently was not the case.

The proposal of increased sampling density if confirmation samples show concentrations over the residential goals is acceptable to DTSC. One sample for 8000 sq. ft. may be sufficient but it should be based on a site specific sampling rationale metrics and be identified accordingly.

-Pete

---

**From:** Fennessy, Christopher <christopher.fennessy@Rocket.com>  
**Sent:** Friday, May 8, 2020 4:44 PM  
**To:** MacDonald, Alex@Waterboards <Alex.MacDonald@waterboards.ca.gov>; MacNicholl, Peter@DTSC <Peter.MacNicholl@dtsc.ca.gov>; swanson.charles@epa.gov <swanson.charles@epa.gov>; Tom.Lae@jacobs.com <Tom.Lae@jacobs.com>  
**Cc:** Dan.Bush@arcadis.com <Dan.Bush@arcadis.com>; RWilhelm@Hargis.com <RWilhelm@Hargis.com>  
**Subject:** RE: [EXTERNAL] RE: Area 40 update - Activities to begin next week

Thanks Alex! Any objections Pete!

Sent with BlackBerry Work ([www.blackberry.com](http://www.blackberry.com))

---

**From:** "MacDonald, Alex@Waterboards" <Alex.MacDonald@waterboards.ca.gov>  
**Sent:** May 8, 2020 4:10 PM  
**To:** "Fennessy, Christopher" <christopher.fennessy@Rocket.com>; "MacNicholl, Peter@DTSC" <Peter.MacNicholl@dtsc.ca.gov>; swanson.charles@epa.gov; "Lae, Tom/SAC (Tom.Lae@jacobs.com)" <Tom.Lae@jacobs.com>  
**Cc:** "Bush, Dan (Dan.Bush@arcadis.com)" <Dan.Bush@arcadis.com>; "Rob Wilhelm (RWilhelm@Hargis.com)" <RWilhelm@Hargis.com>  
**Subject:** [EXTERNAL] RE: Area 40 update - Activities to begin next week

I do not object to the proposed reduction in sampling for dioxins.

Alex

---

**From:** Fennessy, Christopher <christopher.fennessy@Rocket.com>  
**Sent:** Tuesday, May 5, 2020 5:09 PM  
**To:** MacNicholl, Peter@DTSC <Peter.MacNicholl@dtsc.ca.gov>; MacDonald, Alex@Waterboards <Alex.MacDonald@waterboards.ca.gov>; swanson.charles@epa.gov; Lae, Tom/SAC (Tom.Lae@jacobs.com) <Tom.Lae@jacobs.com>  
**Cc:** Bush, Dan (Dan.Bush@arcadis.com) <Dan.Bush@arcadis.com>; Rob Wilhelm (RWilhelm@Hargis.com) <RWilhelm@Hargis.com>  
**Subject:** RE: Area 40 update - Activities to begin next week

EXTERNAL:

Hi Everyone – Excavation activities at Area 40 resumed today. The remainder of the perchlorate over-excavation was completed and removal of the char layer began. Roughly 50 truckloads of soil were removed today. We anticipate activities to increase beginning tomorrow with a plan for 80 truckloads of char layer soil to leave the site tomorrow. This level of activity will continue through the rest of this week.

In the email below, AR recommended collection of 1 soil sample for every 8,000square feet (roughly the size of a residential lot) across the area where the char layer is excavated. The current RDIP for the perchlorate and dioxin

excavations required one sample for every 1,000 square feet of excavation floor; however, the RDIP did not contemplate the presence of a char layer nor the lateral extent of the impact area. As we have discussed, this area is planned for recreational reuse, not residential. Dioxin cleanup goals are based upon residential, unrestricted use levels. As such, AR believes that 1 sample for every 8,000 square feet is sufficient for this activity. Of course, that means that if we detect dioxins above our residential cleanup level, we will likely further characterize rather than excavate 8,000 square feet of soil down an additional 2 feet.

Please respond with your acceptance or denial of 1 sample per 8,000 square feet of floor space with the possibility of an increased density of sampling if results are above the remedial action objectives.

Thanks, Chris

**Christopher M. Fennessy, P.E.**

**Aerojet Rocketdyne, Inc.**

Senior Manager, Environmental Remediation

PO Box 13222

Sacramento, California 95813-6000

Cell: 916-798-6103

Ph: 916-355-3341

Fax: 916-355-6145

Email: [Christopher.Fennessy@Rocket.com](mailto:Christopher.Fennessy@Rocket.com)

---

**From:** Fennessy, Christopher

**Sent:** Wednesday, April 29, 2020 11:16 AM

**To:** MacNicholl, Peter@DTSC ([Peter.MacNicholl@dtsc.ca.gov](mailto:Peter.MacNicholl@dtsc.ca.gov)) ([Peter.MacNicholl@dtsc.ca.gov](mailto:Peter.MacNicholl@dtsc.ca.gov))

<[Peter.MacNicholl@dtsc.ca.gov](mailto:Peter.MacNicholl@dtsc.ca.gov)>; MacDonald, Alex@Waterboards ([Alex.MacDonald@waterboards.ca.gov](mailto:Alex.MacDonald@waterboards.ca.gov))

<[Alex.MacDonald@waterboards.ca.gov](mailto:Alex.MacDonald@waterboards.ca.gov)>; 'swanson.charles@epa.gov' <[swanson.charles@epa.gov](mailto:swanson.charles@epa.gov)>; Lae, Tom/SAC ([Tom.Lae@jacobs.com](mailto:Tom.Lae@jacobs.com)) <[Tom.Lae@jacobs.com](mailto:Tom.Lae@jacobs.com)>

**Cc:** Bush, Dan ([Dan.Bush@arcadis.com](mailto:Dan.Bush@arcadis.com)) <[Dan.Bush@arcadis.com](mailto:Dan.Bush@arcadis.com)>; Rob Wilhelm ([RWilhelm@Hargis.com](mailto:RWilhelm@Hargis.com)) <[RWilhelm@Hargis.com](mailto:RWilhelm@Hargis.com)>

**Subject:** Area 40 update - Activities to begin next week

Hi Everyone – The warmer weather has dried out Area 40 sufficiently to remobilize and complete the excavation activities required per the Phase 1 RDIP. I have contacted the City of Folsom and given them a heads up. Everyone is happy that this work will be accomplished during shelter-in-place restrictions, which have significantly reduced traffic on Prairie City Road. As before, we will adhere to no truck traffic between 6-9am and we will require all trucks to enter from the south and exit toward the north. Here is a schedule of anticipated activities:

Monday, May 4 - Re-mobilize. We will repair BMPs, re-erect signage, and have equipment delivered.

Tuesday, May 5 – Perchlorate over-excavation and T&D. We will finish over-excavation of perchlorate impacted soils. To achieve the 10% of initial volume, we still need to remove 593 more tons of perchlorate-impacted soil. As we discussed, the locations where this soil will be over-excavated are the east side of excavation 39B-S-RA3 and the soil between 39B-S-RA2 and 39B-S-RA4 (see attached maps). We will fill 26 trucks on Tuesday with this soil. This work will complete the perchlorate removal action.

Wednesday, May 6 through Friday, May 15 – Char layer removal. Based upon the extent of char layer removal (see attached diagram), we are proposing collecting one confirmation sample per 8000sqft (one per typical subdivision residential lot – eventhough this area will be a park) rather than the one confirmation sample per 1000 sqft of excavation floor. Please confirm your acceptance of this density.

Please let me know if you have any questions or would like to visit the site to observe activities. Thanks, Chris

**Christopher M. Fennessy, P.E.**  
**Aerojet Rocketdyne, Inc.**  
Senior Manager, Environmental Remediation  
PO Box 13222  
Sacramento, California 95813-6000  
Cell: 916-798-6103  
Ph: 916-355-3341  
Fax: 916-355-6145  
Email: [Christopher.Fennessy@Rocket.com](mailto:Christopher.Fennessy@Rocket.com)

---

**From:** Fennessy, Christopher  
**Sent:** Thursday, February 6, 2020 10:29 AM  
**To:** MacNicholl, Peter@DTSC ([Peter.MacNicholl@dtsc.ca.gov](mailto:Peter.MacNicholl@dtsc.ca.gov)) ([Peter.MacNicholl@dtsc.ca.gov](mailto:Peter.MacNicholl@dtsc.ca.gov))  
<[Peter.MacNicholl@dtsc.ca.gov](mailto:Peter.MacNicholl@dtsc.ca.gov)>; MacDonald, Alex@Waterboards ([Alex.MacDonald@waterboards.ca.gov](mailto:Alex.MacDonald@waterboards.ca.gov))  
<[Alex.MacDonald@waterboards.ca.gov](mailto:Alex.MacDonald@waterboards.ca.gov)>; 'swanson.charles@epa.gov' <[swanson.charles@epa.gov](mailto:swanson.charles@epa.gov)>; Lae, Tom/SAC  
([Tom.Lae@jacobs.com](mailto:Tom.Lae@jacobs.com)) <[Tom.Lae@jacobs.com](mailto:Tom.Lae@jacobs.com)>  
**Cc:** Bush, Dan ([Dan.Bush@arcadis.com](mailto:Dan.Bush@arcadis.com)) <[Dan.Bush@arcadis.com](mailto:Dan.Bush@arcadis.com)>; Rob Wilhelm ([RWilhelm@Hargis.com](mailto:RWilhelm@Hargis.com))  
<[RWilhelm@Hargis.com](mailto:RWilhelm@Hargis.com)>  
**Subject:** Area 40 update

Hi Everyone – Although we have had some relatively dry weather the last couple of weeks and it appears we have some dry weather for a bit longer, Area 40 is still too wet to re-mobilize at this time (see photos below). As expected based upon where the pre-work drainage location, all of the water is ponding on the east side where the char layer was found. Our BMPs are working well, no water is migrating off-site down the drainage. Unfortunately, that means it is backing up on site and we just have to wait for it to infiltrate or evaporate. We will continue to monitor and let you know when we can get back out. Chris

**Christopher M. Fennessy, P.E.**  
**Aerojet Rocketdyne, Inc.**  
Senior Manager, Environmental Remediation  
PO Box 13222  
Sacramento, California 95813-6000  
Cell: 916-798-6103  
Ph: 916-355-3341  
Fax: 916-355-6145  
Email: [Christopher.Fennessy@Rocket.com](mailto:Christopher.Fennessy@Rocket.com)











